

22

CATALOGUE

OF

NORTH AMERICAN MAMMALS,

CHIEFLY IN THE MUSEUM OF THE

SMITHSONIAN INSTITUTION.

BY

SPENCER F. BAIRD,

ASSISTANT SECRETARY OF THE SMITHSONIAN INSTITUTION.



WASHINGTON:
SMITHSONIAN INSTITUTION.
JULY, 1857.

58



Digitized by the Internet Archive
in 2016

<https://archive.org/details/b22297121>

I. TABLE OF THE HIGHER GROUPS.

Order.	Pagc.	Family.	Pagc.	Sub-family.	Pagc.	Genus.	Pagc.	Sub-genus.	Pagc.	Species examined and identified.	Species not identified.
RAPACIA.											
1. Sub-order.											
sectivora	2	1. Soricidae	7	Soricinae.....	7	1. Neosorex	11			1	
						2. Sorex.....	13			12	
						3. Blarina.....	36			7	
		2. Talpidae.....	57			4. Scalops.....	58	Scalops.....	58	2	1
								Scapanus.....	58	2	
						5. Condylura.....	71			1	
						6. Urotrichus.....	76			1	
						7. Felis.....	81			5	
						8. Lynx.....	89			4	
		4. Canidae	102	Lupinae.....	103	9. Canis.....	104			2	
				Vulpinae.....	121	10. Vulpes.....	121	Vulpes.....	121	4	
								Urocyon.....	121	2	
		5. Viverridae.....	146			11. Bassaris.....	147			1	
		6. Mustelidae.....	148	Martinae.....	148	12. Mustela.....	149			2	
						13. Putorious.....	159			2	
						14. Gulo.....	181			10	1
						15. Lutra.....	184			1	
				Lutrinae.....	183	16. Enhydra.....	189			2	
						17. Mephitis.....	191	Thiomus.....	191	1	
				Melinae.....	190			Mephitis.....	192	4	1
						18. Taxidea.....	201			2	
		7. Ursidae.....	206			19. Procyon.....	207			2	1
						20. Ursus.....	216			3	
						21. Didelphys.....	222			2	
II. MARSUPIATA.....	230	8. Didelphidae.....	231			22. Sciurus.....	243			12	0
III. RODENTIA.....	235	9. Sciuridae.....	240	Sciurinae.....	240	23. Peromys.....	286			4	
						24. Tamias.....	291			4	
						25. Spermophilus.....	304	Otospermophilus.....	305	5	1
								Colobotis.....	306	9	
						26. Cynomys.....	329			2	
						27. Arctomys.....	338			2	5
				Myoxinae.....	350						
				Castorinae.....	350	28. Apodonta.....	350			1	
						29. Castor.....	355			1	
						30. Castoroides.....	364			1	
		10. Saccomyidae.....	365	Geomyinae.....	366	31. Geomys.....	368			5	
						32. Thomomys.....	368			7	1
				Saccomyinae.....	405	33. Dipodomys.....	406			3	2
						34. Perognathus.....	416	Perognathus.....	417	4	
								Cricetodipus.....	418	2	
		11. Muridae.....	427	Dipodinae.....	438	35. Jaculus.....	429			1	
				Murinae.....	436	36. Mus.....	436			4	
						37. Reithrodon.....	447			4	1
						38. Hesperomys.....	453	Hesperomys.....	458	13	1
								Onychomys.....	458	1	
								Oryzomys.....	458	1	
										6	
						39. Neotoma.....	486			2	
						40. Sigmodon.....	501				
				Arvicolinae.....	507	41. Arvicola.....	509	Hypudaeus.....	515	1	
								Hemiotomys.....	515	10	11
								Chilotus.....	516	1	
								Pedomys.....	517	3	
								Pitymys.....	517	1	
						42. Myodes.....	554	Synaptomys.....	558	1	
								Myodes.....	554	2	
						43. Fiber.....	560			1	

II. LIST OF SPECIES.

A.—LIST OF EXAMINED AND IDENTIFIED SPECIES OF NORTH AMERICAN MAMMALS.

	Page.
1. NEOSOREX, Baird.	11
1.— <i>Neosorex navigator</i> , Cooper, (n. s.)—Water Shrew.—Fort Vancouver.....	11
2. SOREX, L.	13
2.— <i>Sorex trowbridgii</i> , Baird, (n. s.)—Trowbridge's Shrew.—Astoria to Steilacoom.....	13
3.— <i>Sorex vagrans</i> , Cooper, (n. s.)—Wandering Shrew.—Cape Flattery, W. T., to Petaluma, Cal. Range in lat. 48.30 to 38.20.....	15
4.— <i>Sorex suckleyi</i> , Baird, (n. s.)—Suckley's Shrew.—Steilacoom, W. T., to Monterey, Cal. Range in lat. 47.90 to 36.30.....	18
5.— <i>Sorex pachyurus</i> , Baird, (n. s.)—Thick-Tailed Shrew.—Pembina, Minn., to Fort Ripley. Lat. 49.00 to 46.19.....	20
6.— <i>Sorex forsteri</i> , Rich.—Forster's Shrew.—Carlisle, Pa. (Hudson's Bay, Rich. New York. DeKay.).....	22
7.— <i>Sorex richardsonii</i> , Bachm.—Richardson's Shrew.—Racine, Wisc.? (Hudson's Bay, Rich. N. W. Territory, Bach.).....	24
8.— <i>Sorex platyrhinus</i> , Wagner.—Eared Shrew.—Hingham, Mass., to Cleveland, Ohio, and Burlington, Vt.....	25
9.— <i>Sorex cooperi</i> , Bach.—Cooper's Shrew.—Labrador to Medicine Bow Cr., Neb.....	27
10.— <i>Sorex haydeni</i> , Baird, (n. s.)—Hayden's Shrew.—Fort Pierre to Ft. Union, Neb. Range on the Missouri river, from lat. 44.20 to 48.00.....	29
11.— <i>Sorex personatus</i> , Geoff.—Masked Shrew.—Southern Atlantic States. Washington	30
12.— <i>Sorex hoyi</i> , Baird, (n. s.)—Hoy's Shrew.—Racine, Wisc.....	32
13.— <i>Sorex thompsoni</i> , Baird, (n. s.)—Thompson's Shrew.—Halifax, N. Scotia, to Zanes- ville, Ohio.....	34
3. BLARINA, Gray.	36
14.— <i>Blarina talpoides</i> , Gray.—Mole-Shrew.—Halifax, N. S. Montreal to Columbus, Ohio, and Western Georgia. Range in lat. 45.30 to 32.30; in long. from 63.30 to 81.30.....	36

	Page.
15.— <i>Blarina brevicauda</i> , Gray.—Short-tailed Shrew.—Illinois to Nebraska.....	42
16.— <i>Blarina carolinensis</i> .—Carolina Shrew.—S. Carolina to Missouri.....	45
17.— <i>Blarina angusticeps</i> , Baird, (n. s.).—Burlington, Vermont.....	47
18.— <i>Blarina cinerea</i> .—Ash-colored Shrew.—S. Pennsylvania to Florida.....	45
19.— <i>Blarina exilipes</i> , Baird, (n. s.).—Short-footed Shrew.—Texas to Mississippi.....	51
20.— <i>Blarina berlandieri</i> , Baird, (n. s.).—Matamoras, Mexico.....	53
4. SCALOPS, Cuv.	58
<i>a. Scalops.</i>	
21.— <i>Scalops aquaticus</i> , Cuv.—Common mole.—Middleboro', Mass., to Indian river, Fla., and west to the Lower Mississippi. Range along the Atlantic States from lat. 42. to 27.30.	60
22.— <i>Scalops argentatus</i> , Aud. & Bach.—Silvery Mole.—Detroit to Fort Riley, and south to Prairie Mer Rouge? Range in lat. from 42.20 to Louisiana? in long. 83. to 97.....	63
<i>b. Scapanus</i> , Pomel.	58
23.— <i>Scalops townsendii</i> , Bach.—Oregon Mole.—Steilacoom, W. T., to San Francisco, Cal. Range on the Pacific coast from lat. 47.10 to 37.48.....	65
24.— <i>Scalops breweri</i> , Bach.—Hairy-Tailed Mole.—Connecticut and New York, to Cleveland, Ohio.....	68
5. CONDYLURA, Ill.	71
25.— <i>Condylura cristata</i> , Ill.—Star-Nosed Mole.—Halifax, N. S., to Fort Ripley, and to Carlisle, Pa. Range in lat. 40.12 to 46.20; in long. 63.30 to 94.20.	71
6. UROTRICHUS, Temm.	76
26.— <i>Urotrichus gibbsii</i> , Baird, (n. s.).—Cascade Mountains, W. T.....	76
7. FELIS, L.	81
27.— <i>Felis concolor</i> , L.—Panther.—Fort Steilacoom, W. T., to southern Chile, and from the Atlantic to the Pacific. Range from 47 (or 55. according to Richardson) N. lat. to 54 S. lat.....	83
28.— <i>Felis onca</i> , L.—Jaguar; Mexican Tiger—Brazos river, Texas, to South America..	86
29.— <i>Felis pardalis</i> , Linn.—Tiger Cat; Ocelot.—Northern Texas?.....	87
30.— <i>Felis eyra</i> , Desmarest.—Rio Grande of Texas.....	88

	Page.
31.— <i>Felis yaguarundi</i> , Desmarest.—Yaguarundi.—Rio Grande of Texas.....	88
8. LYNX, Raf.	
32.— <i>Lynx rufus</i> , Raf.—Wild Cat.—Atlantic to Pacific. Upper Missouri to the Gila river. Not on the Rio Grande?.....	90
33.— <i>Lynx rufus</i> var. <i>maculatus</i> , Aud. & Bach.—Texas Wild Cat.—Matamoras, Mexico, to Fort Yuma, Cal., and to Fort Tejon, Cal.....	93
34.— <i>Lynx fasciatus</i> , Raf.—Red Cat.—Washington Territory.....	96
35.— <i>Lynx canadensis</i> , Raf.—Canada Lynx.—Nova Scotia to Rocky Mountains. Penn. to 66 N. lat.?.....	99
9. CANIS, L.	
36a.— <i>Canis occidentalis</i> var. <i>griseo-albus</i> .—White and Gray Wolf.—North America generally?.....	104
36b.— <i>Canis occidentalis</i> var. <i>nubilus</i> .—Dusky Wolf.—Missouri river to the Pacific....	111
36c.— <i>Canis occidentalis</i> var. <i>mexicanus</i> .—Mexican Wolf.—Rio Grande of Texas and Sonora.....	113
37.— <i>Canis latrans</i> , Say.—Coyote; Prairie Wolf.—Fort Riley, Kansas, to the Pacific, and Upper Missouri to the Rio Grande of Texas.....	113
10. VULPES.	
a. <i>Vulpes</i> , Baird.	
38a.— <i>Vulpes fulvus</i> var. <i>fulvus</i> .—Red Fox.—Atlantic States to the Missouri, and Pennsylvania to Canada.....	124
38b.— <i>Vulpes fulvus</i> var. <i>decussatus</i> .—Cross Fox.—Northern New York to Canada....	127
38c.— <i>Vulpes fulvus</i> var. <i>argentatus</i> .—Silver Fox; Black Fox.—Washington Territory	128
39.— <i>Vulpes macrourus</i> , Baird.—Prairie Fox.—Upper Missouri to Plains of Columbia, O. T.....	130
40.— <i>Vulpes velox</i> , Aud. & Bach.—Kit Fox; Swift Fox.—Plains west of Missouri to the Cascade Mountains of Oregon.....	133
41.— <i>Vulpes lagopus</i> , Rich.—Arctic Fox.—Arctic America.....	137
b. <i>Urocyon</i> , Baird.	
42.— <i>Vulpus virginianus</i> , Rich.—Gray Fox.—Pennsylvania to the Southern States, and from the Atlantic to the Pacific; from the Gila to Puget's Sound. According to Aud. & Bach., from Maine to Florida.....	138

	Page.
43.— <i>Vulpes littoralis</i> , Baird, (n. s.)—Island Fox.—Isl. of San Miguel, coast of Cal.....	143
11. BASSARIS, Licht.	147
44.— <i>Bassaris astuta</i> , Licht.—Civet Cat.—City of Mexico to Texas and California.....	147
12. MUSTELA, Linn.	149
45.— <i>Mustela pennantii</i> , Erxl.—Fisher; Black Cat.—Southern Penn. to New York, (to 65 N., Richardson,) and from the Allegheny range to Washington Territory.....	149
46.— <i>Mustela americana</i> , Turton.—Pine Marten; American Sable.—Adirondac Mountains, N. Y., and west to the Cascade Mountains and Puget's Sound...	152
13. PUTORIUS, Cuvier.	159
47.— <i>Putorius pusillus</i> , Aud. & Bach.—Least Weasel.—Pembina, Minn., to Puget's Sound: New York, (DeKay.).....	159
48.— <i>Putorius cicognanii</i> .—Small Brown Weasel.—Labrador and Nova Scotia to Puget's Sound, and south to Boston, Massachusetts.....	161
49.— <i>Putorius richardsonii</i> , Bp.—Little Ermine.—Nova Scotia to Puget's Sound, and south to Boston.....	164
50.— <i>Putorius noveboracensis</i> , DeKay.—White Weasel; Ermine.—Boston and Northern New York, and Illinois, to southern Penn. and Arkansas. Not in the far west?.....	166
51.— <i>Putorius longicauda</i> , Rich.—Long-Tailed Weasel.—Upper Missouri and Platte. (Carlton House, H. B. T., Rich.).....	169
52.— <i>Putorius kaneii</i> , Baird, (n. s.)—Kane's Ermine.—Behring's Straits and Siberia...	172
53.— <i>Putorius frenatus</i> , Aud. & Bach.—Bridled Weasel.—City of Mexico to the Rio Grande, Texas.....	173
54.— <i>Putorius xanthogenys</i> .—Yellow-Cheeked Weasel.—San Diego to San Francisco, Cal., on the coast.....	176
55.— <i>Putorius vison</i> , Rich.—Brown Mink.—New York and Massachusetts to Florida, and west to the Pacific and Puget's Sound.....	177
56.— <i>Putorius nigrescens</i> , Aud. & Bach.—Little Black Mink.—Massachusetts and Northern New York to Fort Leavenworth.....	180
14. GULO, Storr.	181
57.— <i>Gulo luscus</i> , Sabine.—Wolverine.—Salt Lake, and Black Hills, Neb., to Arctic America, (northern New York, Aud. & Bach.).....	181

15. LUTRA, Linn.

- 58.—*Lutra canadensis*, Sab.—American Otter.—Northern parts of the United States to Florida, and west to the Rocky Mountains..... 184
- 59.—*Lutra californica*, Gray.—California Otter.—Coast region and Cascade Mountains of California and Oregon..... 187

16. ENHYDRA, Fleming. 189

- 60.—*Enhydra marina*, Fleming.—Sea Otter.—Pacific coast of the United States..... 189

17. MEPHITIS, Cuvier. 191

a. *Thiosmus*, Licht. 191

- 61.—*Mephitis mesoleuca*, Licht.—White-Backed Skunk.—Chico, Mexico, to Western Texas..... 192
- 62.—*Mephitis varians*, Gray.—Texas or Long-Tailed Skunk.—Texas and Northern Mexico..... 193
- 63.—*Mephitis occidentalis*, Baird, (n. s.)—California Skunk.—Western coast of the United States..... 194
- 64.—*Mephitis mephitica*.—Common Skunk.—United States, east of the Missouri plains and north of Texas..... 195
- 65.—*Mephitis bicolor*, Gray.—Little Striped Skunk.—Southern Texas and California... 197

18. TAXIDEA, Waterhouse. 201

- 66.—*Taxidea americana*, Waterh.—Missouri Badger.—Iowa and Wisconsin to the Pacific coast, and from Arkansas to 49 N. lat.—(To 58 N. lat., Rich.)..... 202
- 67.—*Taxidea berlandieri*, Baird.—Mexican Badger.—Northern Mexico, Southern and Western Texas. (To Lower California?)..... 205

19. PROCYON, Storr. 207

- 68.—*Procyon lotor*, Storr.—Common Raccoon.—Massachusetts to Florida, and west to Fort Kearney. Not in Southern Texas?..... 209
- 69.—*Procyon hernandezii*, Wagler.—California or Black-Footed Raccoon.—Rio Grande of Texas to Pacific coast, and north along the coast to Puget's Sound.. 212
- 69a.—*Procyon hernandezii*, var. *mexicana*, Baird.—Sonora Raccoon.—Gulf of California 215

20. URSUS, L. 216

70. *Ursus horribilis*, Ord.—Grizzly Bear.—Plains of Upper Missouri to the Rocky Mountains, and along their base, thence to the Coast of California, (not of Oregon or Washington?)..... 219

	Page.
71.— <i>Ursus americanus</i> , Pallas.—Black Bear.—United States generally.....	225
71 a.— <i>Ursus americanus</i> var. <i>cinnamomeus</i> , Aud. & Bach.—Rocky Mountains and Oregon	228
72.— <i>Ursus maritimus</i> , Linn.—White or Polar Bear.—Shores and Islands of Arctic Regions	229
21. DIDEYPHYS, Linn.	232
73.— <i>Didelphys virginiana</i> , Shaw.—Possum.—From Hudson River to the southern part of the eastern United States, and west to the Missouri. Not in southern Texas.....	232
74.— <i>Didelphys californica</i> , Bennet.—Texas Possum.—Rio Grande of Texas to the City of Mexico, and west to Lower California.....	233
22. SCIURUS, Linnaeus.	243
75.— <i>Sciurus vulpinus</i> , Gmelin.—Southern Fox Squirrel.—North Carolina to Florida, and along the Gulf States to eastern Texas.....	246
76.— <i>Sciurus cinereus</i> , Linn.—Cat Squirrel; Pennsylvania Fox Squirrel.—New Jersey to Virginia, and west to the Alleghenies.....	248
77.— <i>Sciurus ludovicianus</i> , Custis.—Western Fox Squirrel.—Mississippi valley.....	251
78.— <i>Sciurus limitis</i> , Baird, (n. s.)—Pecos Fox Squirrel.—Pecos River, Texas.....	256
79.— <i>Sciurus carolinensis</i> , Gm.—Gray Squirrel; Black Squirrel. (Black var.)—Eastern United States to the Missouri River.....	256
79 a.— <i>Sciurus carolinensis</i> , var. <i>mexicanus</i> ?—Mexican Gray Squirrel.—Northern Mexico	263
80.— <i>Sciurus fessor</i> , Peale.—California Gray Squirrel.—Pacific Coast from San Diego, California, to the Columbia River, at Fort Dalles.....	264
81.— <i>Sciurus castanotus</i> —Baird, (n. s.)—Chestnut Backed Squirrel.—Southern Rocky Mountains. (Fort Webster).....	266
82.— <i>Sciurus aberti</i> , Woodhouse.—Tuft-Eared Squirrel.—San Francisco Mountains, New Mexico	267
83.— <i>Sciurus hudsonius</i> , Pallas.—Red Squirrel; Chickaree.—Labrador (Lat. 56°) to Mississippi; and in the United States from the Atlantic to the Missouri River	260
84.— <i>Sciurus fremontii</i> , Towns.—Mountain Gray Squirrel.....	272
85.— <i>Sciurus richardsonii</i> , Bach.—Richardson's Squirrel.—From the Main Rocky Mountains to the Cascade Range.....	273

86.— <i>Sciurus douglassii</i> , Bach.—Oregon Red Squirrel.—San Francisco to Puget's Sound, near the coast.....	275
23. PTEROMYS, Cuvier.	
87.— <i>Pteromys volucella</i> , Cuv.(?)—Flying Squirrel.—United States, to the Missouri River	286
88.— <i>Pteromys hudsonius</i> , Fischer.—Northern Flying Squirrel.—Northern parts of the United States from Maine to Minnesota, and north.....	288
89.— <i>Pteromys alpinus</i> , Richardson.—Rocky Mountain Flying Squirrel.—Rocky Moun- tains?.....	289
90.— <i>Pteromys oregonensis</i> , Bach.—Oregon Flying Squirrel.—Near mouth of Columbia River to Southern California?.....	290
24. TAMIAS, Illiger.	
91.— <i>Tamias striatus</i> .—Chipmunk.—Montreal to Virginia, and west to the Missouri.....	292
92.— <i>Tamias quadrivittatus</i> , Rich.—Missouri Striped Squirrel.—Upper Missouri to Rocky Mountains, and west to the Cascade Range. Along the Rocky Mountains as far south as Fort Staunton, New Mexico. Lat. 33° 30'...	297
93.— <i>Tamias dorsalis</i> , Baird.—Gila Striped Squirrel.—Fort Webster, New Mexico, about Lat. 33.00, Long. 108.00.....	300
94.— <i>Tamias townsendii</i> , Bach.—Townsend's Striped Squirrel.—From Puget's Sound to Petaluma, California, along and west of Cascade Mountains.....	301
25. SPERMOPHILUS, Cuvier.	
<i>a. Otospermophilus</i> , Brandt.	
95.— <i>Spermophilus beecheyi</i> , Rich.—California Ground Squirrel.—Coast of California, from San Diego to Fort Reading.....	307
96.— <i>Spermophilus douglassii</i> , Rich.—Columbia Ground Squirrel.—Columbia River, from Fort Dalles to its mouth, and south to Klamath Lake.....	309
97. <i>Spermophilus grammurus</i> , Bachman.—Line-Tailed Squirrel.—Head of Arkansas River; along the Rocky Mountains to Sonora.....	310
98.— <i>Spermophilus couchii</i> , Baird, (n. s.)—Black Ground Squirrel.—Northern Mexico...	311
99.— <i>Spermophilus lateralis</i> , Rich.—Say's Striped Squirrel.—Rocky Mountains to Cas- cades, and between about Lat. 38° 25' to northern line of California...	312
<i>b. Colobotis</i> , Brandt.	
100.— <i>Spermophilus harrisii</i> , Aud. & Bach.—Harris's Spermophile.—Mohave Desert...	313

	Page.
101. <i>Spermophilus franklini</i> , Rich.—Gray Gopher.—Northern Illinois and Wisconsin, and to Minnesota and the Saskatchewan.....	314
102.— <i>Spermophilus tereticauda</i> , Baird, (n. s.)—Round-Tailed Spermophile.—Fort Yuma, Cal.....	315
103.— <i>Spermophilus tridecem-lineatus</i> , Aud. & Bach.—Striped Gopher: Prairie Squirrel.—Eastern Michigan to the plains of the Missouri, and south to Red River, Arkansas, and Fort Thorn, N. M.....	316
104.— <i>Spermophilus mexicanus</i> , Wagner.—Mexican Ground Squirrel.—Rio Grande of Texas and the Pecos, and south into Mexico.....	319
105.— <i>Spermophilus spilosoma</i> , Bennett.—Sonora Ground Squirrel.—Fort Staunton, N. M. and El Paso, to Chihuahua, and west to the Gulf of California....	321
106.— <i>Spermophilus parryi</i> , Rich.—Parry's Marmot.—Shores and islands of Arctic seas; island of Arikamthitchi, on the Asiatic side of Behring's Straits.....	323
107.— <i>Spermophilus richardsonii</i> ,—Yellow Gopher.—Sault St. Marie, Mich., and west to the Rocky Mountains north of Upper Missouri.....	325
108.— <i>Spermophilus townsendii</i> , Bach.—Townsend's Spermophile.—Rocky Mountains to the north.....	326
26. CYNOMYS, Raf.	329
109.— <i>Cynomys ludovicianus</i> .—Prairie Dog.—Milk river and Upper Missouri; west towards the Rocky Mountains; south to Red River; southwest to the Upper Rio Grande, and a short distance into Sonora?.....	331
110.— <i>Cynomys gunnisonii</i> , Baird (n. s.)—Short-Tailed Prairie Dog.—Coochetope Pass to Lodge Pole Creek, in or near the Rocky Mountains.....	335
27. ARCTOMYS, Schreber.	348
111.— <i>Arctomys monax</i> , Gmelin.—Woodchuck; Ground Hog.—Massachusetts to Wisconsin and Canada; south to Virginia. (To South Carolina, Aud. & Bach.).....	339
112.— <i>Arctomys flaviventer</i> , Bachman.—Yellow-Footed Marmot.—Black Hills, Neb....	343
28. APLODONTIA, Rich.	350
113.— <i>Aplodontia leporina</i> , Rich.—Sewellel; Showt'l.—Puget's Sound.....	353
29. CASTOR, Linn.	355
114.— <i>Castor canadensis</i> , Kuhl.—American Beaver.—Throughout the entire area of North America.....	355

30. CASTOROIDES, Foster.

- 115.—*Castoroides ohioensis*, Foster.—Fossil Beaver.—Northern Ohio, New York and Michigan 363

31. GEOMYS, Rafinesque. 368

- 116.—*Geomys bursarius*, Rich.—Pouched or Pocket Gopher.—Missouri to Minnesota and Nebraska..... 372
- 117.—*Geomys breviceps*, Baird, (n. s.)—Short-Headed Gopher.—Louisiana to Middle or Western Texas..... 378
- 118.—*Geomys pinetis*, Rafinesque.—Salamander.—Georgia and Florida. (Alabama, Aud. & Bach.)..... 380
- 119.—*Geomys clarkii*, Baird, (n. s.)—Pecos Gopher.—Pecos River, Texas..... 383
- 120.—*Geomys castanops*, Leconte.—Chestnut-Faced Gopher.—Bent's Fort, Upper Arkansas River..... 384

NOTE.—The two following Mexican species are referred to—

- Geomys hispidus*, Leconte.—Mexico..... 386
- Geomys mexicanus*, Leconte.—Mexico..... 387

32. THOMOMYS, Maxim. 388

- 121.—*Thomomys bulbivorus*.—California Gopher.—Coast of California, from Tejon valley to Petaluma..... 389
- 122.—*Thomomys laticeps*, Baird, (n. s.)—Broad-Headed Gopher.—Humbolt Bay, Cal.. 392
- 123.—*Thomomys douglassii*, Giebel.—Oregon Gopher.—Columbia River and Puget's Sound to the Dalles..... 394
124. *Thomomys borealis*.—Upper Columbia River? Canoe Creek, Cal. (East of Cascade mountains.)..... 396
- 125.—*Thomomys rufescens*, Maxim.—Fort Union Gopher.—Fort Pierre to Fort Union, on the Missouri..... 397
- 126.—*Thomomys umbrinus*.—Sonora Gopher.—Cimarron River, N. M., west to the Rocky Mountains, and south into Sonora..... 399
- 127.—*Thomomys fulvus*.—San Francisco mountains, N. M., to Fort Yuma and San Diego..... 402

33. DIPODOMYS, Gray. 406

- 128.—*Dipodomys ordii*, Woodhouse.—Kangaroo Rat.—Platte River, along the eastern slope of the Rocky Mountains, into Durango and Coahuila, Mexico.... 410
- 129.—*Dipodomys phillipii*, Gray.—Jumping Rat.—Los Angeles, Cal., to Fort Walla-Walla, O. T., on the Columbia..... 412

	Page.
130.— <i>Dipodomys agilis</i> , Gambel.—Fort Yuma and San Diego, Cal., to San Francisco...	414
34. <i>PEROGNATHUS</i> , Maxim.	416
<i>a. Perognathus</i> , Max.	417
131.— <i>Perognathus penicillatus</i> , Woodhouse.—Tuft-tailed Mouse.—San Francisco Mountains, New Mexico, to Fort Yuma, California, along Colorado.....	418
132.— <i>Perognathus fasciatus</i> , Pr. Max.—Fort Union, Nebraska, and Fort Riley, Kansas Territory, to Chihuahua.....	420
133.— <i>Perognathus hispidus</i> , Baird, (n. s.)—Matamoras.....	421
134.— <i>Perognathus monticola</i> , Baird, (n. s.)—St. Mary's, Rocky Mountains.....	422
<i>b. Cricetodipus</i> , Peale.	418
135.— <i>Perognathus flavus</i> , Baird, (n. s.)—Upper Missouri, along eastern slopes of Rocky Mountains to Sonora and Chihuahua; and along the Rio Grande to Matamoras.....	423
136.— <i>Perognathus parvus</i> , Leconte.—King's River, California. (Oregon, Peale.).....	425
35. <i>JACULUS</i> , Wagler.	429
137.— <i>Jaculus hudsonius</i> .—Jumping Mouse.—Nova Scotia, (Labrador, Pennant,) to Southern Pennsylvania, and west to the Pacific Ocean.....	430

TRIBE MURES.

36. <i>MUS</i> , Linnæus.	436
138.— <i>Mus decumanus</i> , Pallas.—Brown Rat.—Throughout North America. (Introduced.)	438
139.— <i>Mus rattus</i> , L.—Black Rat.—Throughout North America. (Introduced.).....	439
140.— <i>Mus tectorum</i> , Savi.—White-Bellied Rat; Roof Rat.—Tar River North Carolina, to Georgia; Northern Mexico. (Introduced.).....	441
141.— <i>Mus musculus</i> , Linn.—Common Mouse.—North America generally. (Introduced.)	443

TRIBE SIGMODONTES.

37. <i>REITHRODON</i> , Waterhouse.	447
142.— <i>Reithrodon humilis</i> .—Harvest Mouse.—South Carolina and Georgia, to St. Louis?	448
143.— <i>Reithrodon montanus</i> , Baird, (n. s.)—Rocky Mountains. Lat. 39°.....	449
144.— <i>Reithrodon megalotis</i> , Baird, (n. s.)—Sonora.....	451
145. <i>Reithrodon longicauda</i> , Baird, (n. s.)—San Francisco and Petaluma, California....	451

38. HESPEROMYS, Waterhouse.

Page.
453*a. Hesperomys.*

458

- 146.—*Hesperomys leucopus*, Wagner.—White-footed Mouse.—Nova Scotia (and Labrador,) to Virginia, and west to the Mississippi River..... 459
- 147.—*Hesperomys texanus*, Woodhouse.—Texas Mouse.—Rio Grande, Texas..... 464
- 148.—*Hesperomys gambelii*, Baird, (n. s.)—California and Oregon..... 464
- 149.—*Hesperomys austerus*, Baird, (n. s.)—Washington Territory..... 466
- 150.—*Hesperomys nuttalli*.—Red Mouse.—Southern Pennsylvania to Georgia, and west to St. Louis..... 467
- 151.—*Hesperomys gossypinus*, Leconte.—Cotton Mouse.—Lowlands of Georgia and South Carolina..... 469
- 152.—*Hesperomys cognatus*, Leconte.—Gray-Bellied Mouse.—Southern Atlantic and Gulf States, from North Carolina to Louisiana..... 469
- 153.—*Hesperomys boylii*, Baird, (n. s.)—Long-Tailed Mouse.—Western California and Oregon 471
- 154.—*Hesperomys myoides*.—Hamster Mouse.—Canada, Vermont, and New York.... 472
- 155.—*Hesperomys sonoriensis*, Leconte.—Upper Missouri, and Rocky Mountains to El Paso and Sonora..... 474
- 156.—*Hesperomys michiganensis*, Wagner.—Prairie Mouse.—Michigan, Wisconsin, and Illinois, to St. Louis 476
- 157.—*Hesperomys californicus*.—Great-Eared Mouse.—Santa Clara, California..... 478
- 185.—*Hesperomys eremicus*, Baird, (n. s.)—Desert Mouse.—Fort Yuma, California.... 479

b. Onychomys, Baird.

458

- 159.—*Hesperomys leucogaster*.—Missouri Mouse.—Plains along the upper Missouri.. 480

c. Oryzomys, Baird.

458

- 160.—*Hesperomys palustris*, Wagner.—Rice Field Mouse.—South Carolina and Georgia..... 482

39. NEOTOMA, Say & Ord.

486

- 161.—*Neotoma floridana*, Say & Ord.—Florida Rat; Wood Rat.—Southern Atlantic and Gulf States, and up the Missouri. Stragglers as far as New York..... 487
- 162.—*Neotoma mexicana*, Baird, (n. s.)—Mexican Bush Rat.—Pecos river to Chihuahua, and west to Gulf of California..... 490

	Page.
163.— <i>Neotoma micropus</i> , Baird, (n. s.)—Black Wood Rat.—Lower Rio Grande of Texas and Mexico.....	492
164.— <i>Neotoma fuscipes</i> , Cooper, Mss., (n. s.)—Brown-Footed Rat.—Santa Clara to Petaluma, Cal.....	495
165.— <i>Neotoma occidentalis</i> , Cooper, (n. s.)—Hairy-Tailed Rat.—Mouth of Columbia, and Puget's Sound.....	496
166.— <i>Neotoma cinerea</i> .—Rocky Mountain Rat.—Eastern slope of northern Rocky Mountains, and upper Missouri.....	499
166.*— <i>Neotoma magister</i> , Baird, (n. s.)—Carlisle Bone Cave, Pennsylvania. Fossil.	
40. SIGMODON, Say & Ord.	500
167.— <i>Sigmodon hispidus</i> , Say & Ord.—Cotton Rat.—Southern Atlantic and Gulf States.....	502
168.— <i>Sigmodon berlandieri</i> , Baird, (n. s.)—Texas Cotton Rat.—Texas.....	504
41. ARVICOLA, Lacep.	509
a. <i>Hypudaeus</i> , Keys. & Blas.	
169.— <i>Arvicola gapperi</i> , Vigors.—Red-Backed Mouse.—Nova Scotia, Massachusetts, Canada, and Lake Superior.....	518
b. <i>Hemiotomys</i> , Selys.	
170.— <i>Arvicola riparia</i> , Ord.—Bank Mouse.—Northern and Middle States.....	522
171.— <i>Arvicola breweri</i> , Baird, (n. s.)—Gray Mouse.—Muskeget Island, Mass.....	525
172.— <i>Arvicola rufidorsum</i> , Baird, (n. s.)—Holmes' Hole, Mass. (Martha's Vineyard.)	526
173.— <i>Arvicola townsendii</i> , Bachman.—Washington & Oregon.....	527
174.— <i>Arvicola montana</i> , Peale.—Cascade Mountains, Oregon & California; Western Nebraska?.....	528
175.— <i>Arvicola longirostris</i> , Baird, (n. s.)—Cascade Mountains, Cal.....	530
176.— <i>Arvicola edax</i> , Leconte.—Monterey to San Diego, Cal.....	531
177.— <i>Arvicola californica</i> , Peale.—California.....	532
178.— <i>Arvicola occidentalis</i> , Peale.—Puget's Sound.....	534
179.— <i>Arvicola modesta</i> , Baird, (n. s.)—Sawatch Pass, Rocky Mountains.....	535
c. <i>Chilotus</i> , Baird.	516
180.— <i>Arvicola oregoni</i> , Bachman.—Steilacoom, W. T., to Tomales Bay, Cal.....	537
d. <i>Pedomys</i> , Baird.	517
181.— <i>Arvicola austera</i> , Leconte.—Prairie Meadow Mouse.—Wisconsin to Louisiana ...	539

182.— <i>Arvicola cinnamomea</i> , Baird, (n. s.).—Pembina, Minnesota.....	541
183.— <i>Arvicola haydenii</i> , Baird, (n. s.).—Fort Pierre, Nebraska.....	543
<i>e. Pitymys</i> , McMurtrie.....	517
184.— <i>Arvicola pinetorum</i> , Leconte.—Upland Mouse.—Long Island, N. Y., to Florida and the Gulf States, Illinois and Ohio.....	544
42. MYODES, Pallas.....	554
<i>a. Synaptomys</i> , Baird.....	554
185.— <i>Myodes cooperii</i> , Baird, (n. s.).—United States	558
<i>b. Myodes</i>	554
186.— <i>Myodes torquatus</i> , Keys. & Blas.—Lemming.—Arctic Regions... ..	558
187.— <i>Myodes obensis</i> , Brants.—Lemming.—Arctic Regions	559
43. FIBER, Cuv.....	560
188.— <i>Fiber zibethicus</i> , Cuv.—Musk Rat.—North America, generally.....	561
44. ERETHIZON, F. Cuvier.....	568
189.— <i>Erethizon dorsatus</i> , F. Cuv.—White-Haired Porcupine.—Eastern United States to the Mississippi river, and from Northern Pennsylvania to Canada.— (To 67°, Rich.)	568
190.— <i>Erethizon epixanthus</i> , Brandt.—Yellow-Haired Porcupine.—Upper Missouri ; whole Pacific Coast.....	569
45. LEPUS.....	573
191.— <i>Lepus glacialis</i> , Leach.—Polar Hare.—Newfoundland, north to the Polar Seas, and Greenland	577
192.— <i>Lepus americanus</i> , Erxl.—Northern Hare ; White Rabbit.—Mountains of Vir- ginia to Labrador. Not west of Minnesota?	579
193.— <i>Lepus washingtonii</i> , Baird, (n. s.).—Red Hare.—Washington Territory, to 54° 40'	583
194.— <i>Lepus campestris</i> , Bach.—Prairie Hare.—Upper Missouri and Saskatchewan Plains to the Cascade Range of Oregon.....	585
195.— <i>Lepus callotis</i> , Wagler.—Jackass or Mule Rabbit.—Northern Mexico through southern Texas, and west through New Mexico to the Rocky Moun- tains. Fort Boisé, Oregon Territory? Southern Sonora?	
196.— <i>Lepus californicus</i> , Gray.—California Hare.—Lower Colorado and San Diego, to Fort Jones, Cal. Not found east of Cascades.....	594

	Page.
197.— <i>Lepus sylvaticus</i> , Bach.—Gray Rabbit.—From Massachusetts throughout the United States, as far as Indianola, Texas? and west to the Missouri, as far as Fort Union, Nebraska.....	597
198.— <i>Lepus artemisia</i> , Bach.—Sage Hare.—Regions west of the Missouri to the Rocky Mountains, and to the Cascade Mountains of Oregon, along the Columbia on the north, and to the City of Chihuahua on the south.....	602
199.— <i>Lepus bachmani</i> , Waterhouse.—Bachman's Hare.—Lower Rio Grande of Texas.	606
200.— <i>Lepus audubonii</i> , Baird, (n. s.)—Audubon's Hare.—Coast of California, from San Diego to San Francisco.....	
201.— <i>Lepus trowbridgii</i> , Baird, (n. s.)—Coast of California, from San Francisco to San Diego	610
202.— <i>Lepus aquaticus</i> , Bach.—Water Rabbit.—Lower Mississippi River.....	612
203.— <i>Lepus palustris</i> , Bach.—Marsh Rabbit.—Lowlands of southern coast, from South Carolina to Florida	615
46. LAGOMYS, Cuv.	
204.— <i>Lagomys princeps</i> , Rich.—Little Chief Hare.—South Pass of Rocky Mountains northward	619
47. DASYPUS, Linnaeus.	
205.— <i>Dasypus novem-cinctus</i> , Linn.—Texas Armadillo.—Lower Rio Grande of Texas to Paraguay	623
48. DICOTYLES, Cuv.	
206.— <i>Dicotyles torquatus</i> , Cuv.—Texas Peccary ; Mexican Hog.—Texas to Red River, Arkansas	627
49. ALCE, Ham. Smith.	
207.— <i>Alce americanus</i> , Jardine.—American Moose.—Northern portions of the eastern United States to Labrador, whence it extends west to the Pacific Ocean.....	
50. RANGIFER, Ham. Smith.	
208.— <i>Rangifer caribou</i> , Aud. & Bach.—Woodland Caribou.—Maine and New Brunswick, and west to north shore of Lake Superior	633
209.— <i>Rangifer groenlandicus</i> .—Barren Ground Caribou.—Barren Grounds of Arctic America and Greenland.....	634

51. CERVUS, L.

Page.

- 210.—*Cervus canadensis*, Erxl.—American Elk.—Northern portions of United States, to Upper Missouri, and west to the Pacific. Found in the Alleghenies of Pennsylvania and Virginia. (North to 57°, Rich.) 638
- 211.—*Cervus virginianus*, Boddaert.—Virginia Deer.—United States generally, east of the Missouri, and as far north as Maine. Eastern Texas?..... 643
- 212.—*Cervus leucurus*, Douglass.—White-Tailed Deer.—Upper Missouri and Platte to the Columbia River and Washington Territory. Western Texas and New Mexico?..... 649
- 213.—*Cervus mexicanus*, Gmelin.—Sonora Deer.—Sonora and near El Paso?..... 658
- 214.—*Cervus macrotis*, Say.—Mule Deer.—Upper Missouri and Platte to the Cascade Range, (head of Des Chutes River.) Oregon Territory. Not extending to the Pacific. Headwaters of Arkansas..... 656
- 215.—*Cervus columbianus*, Rich.—Columbia Black-Tailed Deer.—Pacific Coast, from San Diego to Puget's Sound..... 659

52. ANTILOCAPRA, Ord.

665

- 216.—*Antilocapra americana*, Ord.—Prong-Horn Antelope; Cabree.—Plains west of Missouri, from the Lower Rio Grande to the Saskatchewan, and west to the Cascade and Coast range of the Pacific slope..... 666

53. APLOCERUS, Ham. Smith.

671

- 217.—*Aplocerus montanus*, Rich.—Mountain Goat.—Northern Rocky Mountains of the United States and British America; also on the northern Cascade Mountains..... 671

54. OVIS, Linn.

673

- 218.—*Ovis montana*, Cuvier.—Bighorn; Mountain Sheep.—Broken ground on the Upper Missouri and Platte. Rocky Mountains, generally, as far west, at least, as Coast and Cascade Mountains of the Pacific slope..... 673

55. OVIBOS, Blainville.

680

- 219.—*Ovibos moschatus*, Blainville.—Musk Ox.—Barren Grounds of Arctic America.. 680

BOS, Linnaeus.

682

- 220.—*Bos americanus*, Gmelin.—American Buffalo.—Formerly found throughout nearly the whole of North America, east of the Rocky Mountains. Now confined to the plains west of the Missouri and along the slopes of the Rocky Mountains..... 682

II.—LIST OF SPECIES—Continued.

B.—LIST OF DESCRIBED NORTH AMERICAN SPECIES NOT SEEN AND IDENTIFIED.

2. SOREX, Linn.

	Page.
1.— <i>Sorex palustris</i> , Rich.—Marsh Shrew.—Hudson's Bay region.....	55
2.— <i>Sorex fimbripes</i> , Bach.—Fringed Shrew.—Alleghenies of Pennsylvania.....	55
3.— <i>Sorex parvus</i> , Say.—Least Shrew.—Missouri River.....	56
4.— <i>Sorex harlani</i> , Duvernoy.—New Harmony, Indiana. (Doubtful).....	56

4. SCALOPS, Cuv.

5.— <i>Scalops latimanus</i> , Bach.—Mexico and Texas.....	65
--	----

9. CANIS, L.

6.— <i>Canis occidentalis</i> , var. <i>ater</i> .—Black Wolf.—Southern States.....	113
6 <i>a.</i> — <i>Canis occidentalis</i> , var. <i>rufus</i> .—Red Wolf.—Texas.....	113

13. PUTORIUS, L.

7.— <i>Putorius nigripes</i> , Aud. & Bach.—Black-Footed Ferret.—Lower waters of Platte..	180
---	-----

17. MEPHITIS, Licht.

8.— <i>Mephitis mesomelas</i> , Licht.—Black-Backed Skunk.—Louisiana? (Doubtful).....	199
---	-----

The following Mexican species may yet be found in the United States: *Mephitis leucocoma*, Licht.—Alvarado River, Mexico.
Mephitis macroura, Licht.—Temperate, Mexico. *Mephitis vittata*, Licht.—Oaxaca, Mexico.

19. PROCYON, Storr.

9.— <i>Procyon psora</i> , Gray.—Short-Tailed Raccoon.—Sacramento River, California. (Very doubtful).....	215
---	-----

22. SCIURUS, L.

10.— <i>Sciurus colliaci</i> , Rich.—Collie's Squirrel.—West Coast of Mexico.....	280
11.— <i>Sciurus mustelinus</i> , Aud. & Bach.—Weasel Squirrel.—(California, Aud. & Bach.) Probably Mexican?.....	280
12.— <i>Sciurus nigrescens</i> , Bennett.—Dusky Squirrel.—Lower California. Not belonging to the fauna of the United States?	280
13.— <i>Sciurus lanigerus</i> , Aud. & Bach.—Woolly Squirrel.—(California, Aud. & Bach.)	280
14.— <i>Sciurus leporinus</i> , Aud. & Bach.—Hare Squirrel.—(California, Aud. & Bach.) Doubtful.....	280
15.— <i>Sciurus ferruginiventris</i> , Aud. & Bach.—(California, Aud. & Bach.) Probably Mexican	281

For an enumeration of other supposed North American Squirrels, see pages 281—285.

25. SPERMOPHILUS, Cuv.

- 16.—*Spermophilus macrourus*, Bennet.—West Coast of Mexico. (Not belonging to the United States.)..... 327

27. ARCTOMYS, Schreb. 338

- 17.—*Arctomys pruinosus*, Gmelin.—Hoary Marmot; Whistler.—Hudson's Bay to Northwest coast of America..... 345

- 18.—*Arctomys lewisii*, Aud. & Bach.—Lewis' Marmot.—Columbia River?..... 347

32. THOMOMYS, Max. 388

- 19.—*Thomomys talpoides*, Giebel.—Mole Gopher.—Hudson's Bay..... 403

33. DIPODOMYS, Gray. 406

- 20.—*Dipodomys wagneri*, Leconte.—South Carolina(!) (Very doubtful)..... 415

- 21.—*Dipodomys heermanni*, Leconte.—Sierra Nevada, California..... 415

37. REITHRODON, Waterh. 447

- 22.—*Reithrodon carolinensis*.—South Carolina 452

38. HESPEROMYS, Waterh. 453

- 23.—*Hesperomys campestris*, Lec.—New Jersey. (Uncertain)..... 485

41. ARVICOLA, Lac. 509

- 24.—*Arvicola albo-rufescens*, Emmons.—Massachusetts 549

- 25.—*Arvicola borealis*, Rich.—Great Bear Lake..... 549

- 26.—*Arvicola dekayi*, Aud. & Bach.—New York 549

- 27.—*Arvicola drummondii*, Aud. & Bach.—British Rocky Mountains 550

- 28.—*Arvicola hirsutus*, Dekay.—New York. 550

- 29.—*Arvicola nasuta*, Aud. & Bach.—Massachusetts..... 550

- 30.—*Arvicola oneida*, Dekay.—New York 551

- 31.—*Arvicola richardsonii*, Dekay.—British Rocky Mountains..... 551

- 32.—*Arvicola rubricatus*, Rich.—Behring's Straits 551

- 33.—*Arvicola texiana*, Aud. & Bach.—Texas 552

- 34.—*Arvicola xanthognathus*, Leach.—Hudson's Bay..... 552

NOTE.—Of the above *Arvicolae*, those most likely to prove additional species are Nos. 25, 27, 31, 32, and 34.

45. LEPUS. Lin. 573

- 35.—*Lepus texianus*, Aud. & Bach.—Texas Rabbit.—Texas and Arkansas..... 617

- 36.—*Lepus nuttallii*, Bach.—Least Hare.—Columbia River. (Very doubtful)..... 617

